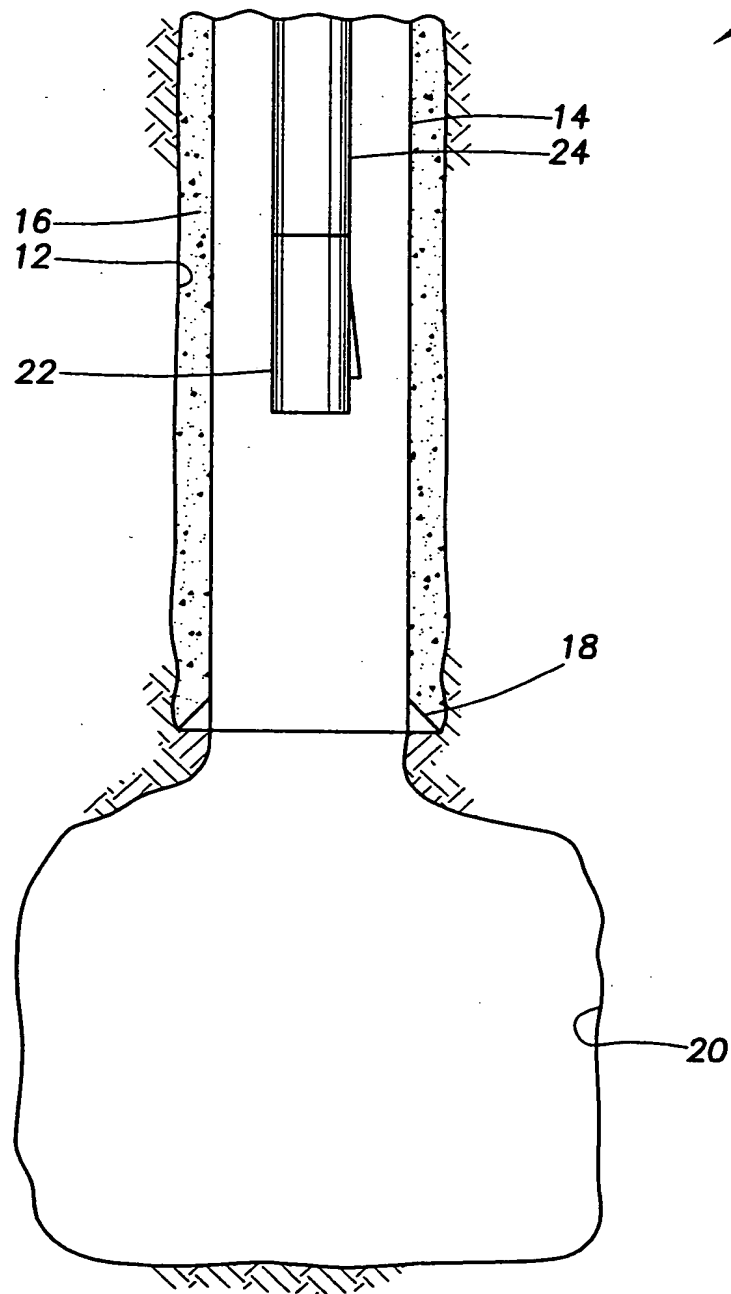


Inventors: John C. Gano, Tommie A. Freeman, John S. Bowling and James R. Longbottom  
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**FIG. 1A**

# EXPANDABLE WELLBORE JUNCTION

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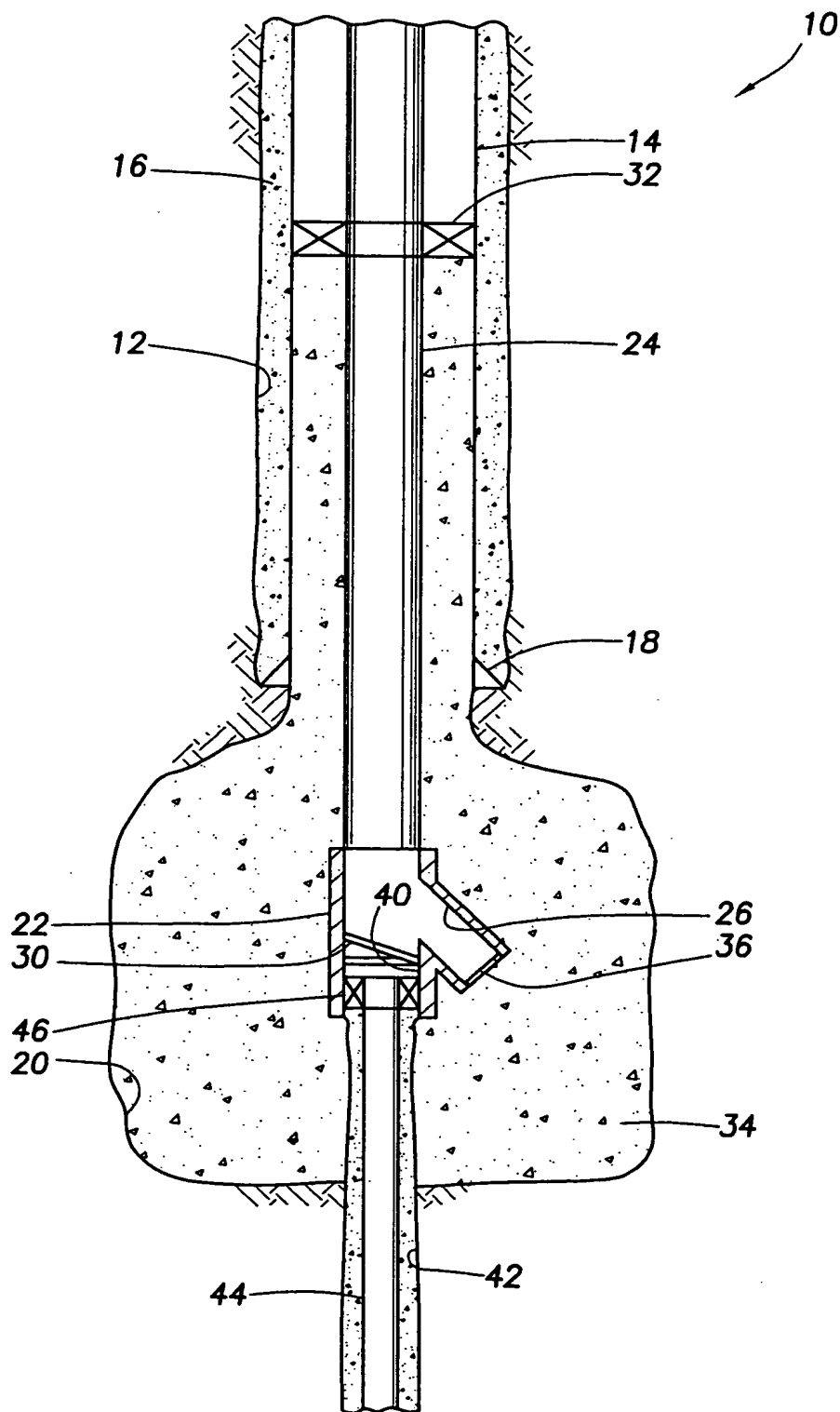


FIG. 1B

# EXPANDABLE WELLBORE JUNCTION

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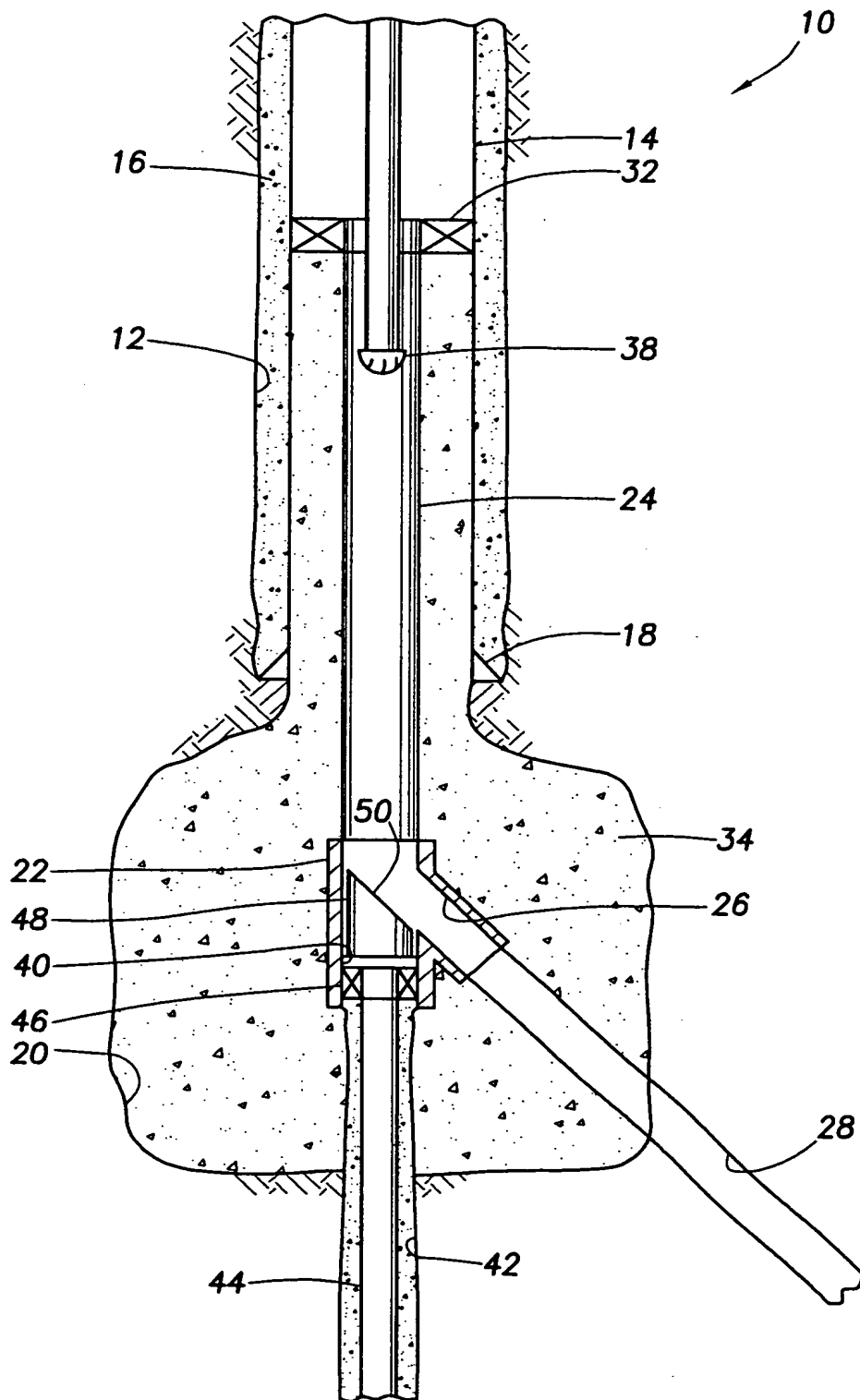


FIG. 1C

# EXPANDABLE WELLBORE JUNCTION

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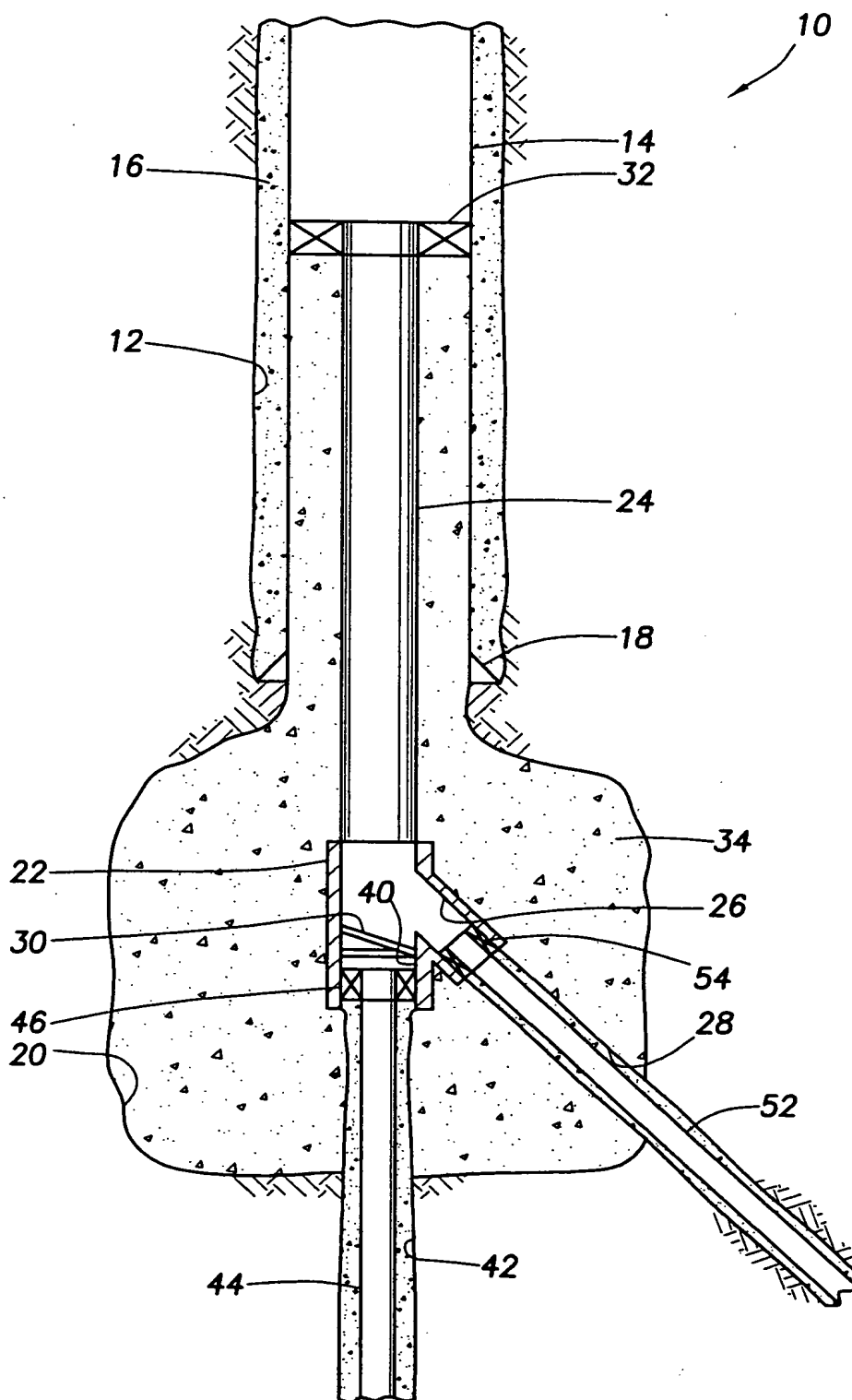


FIG. 1D

# EXPANDABLE WELLBORE JUNCTION

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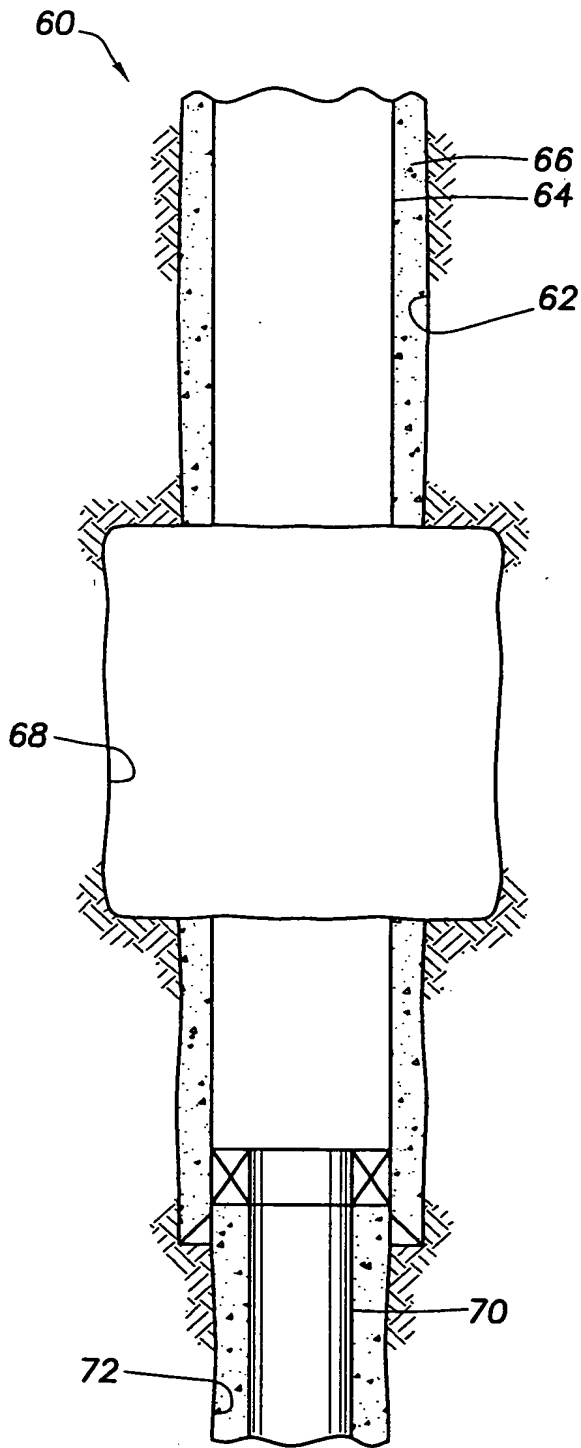


FIG. 2A

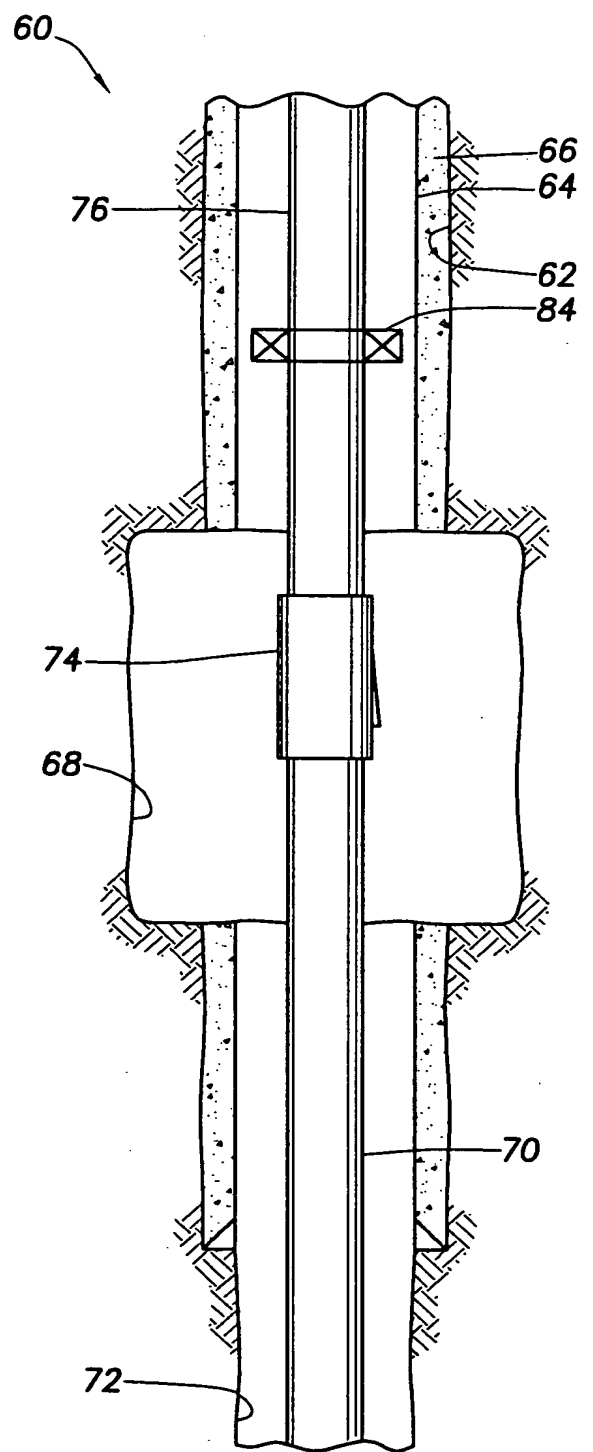


FIG. 2B

# EXPANDABLE WELLBORE JUNCTION

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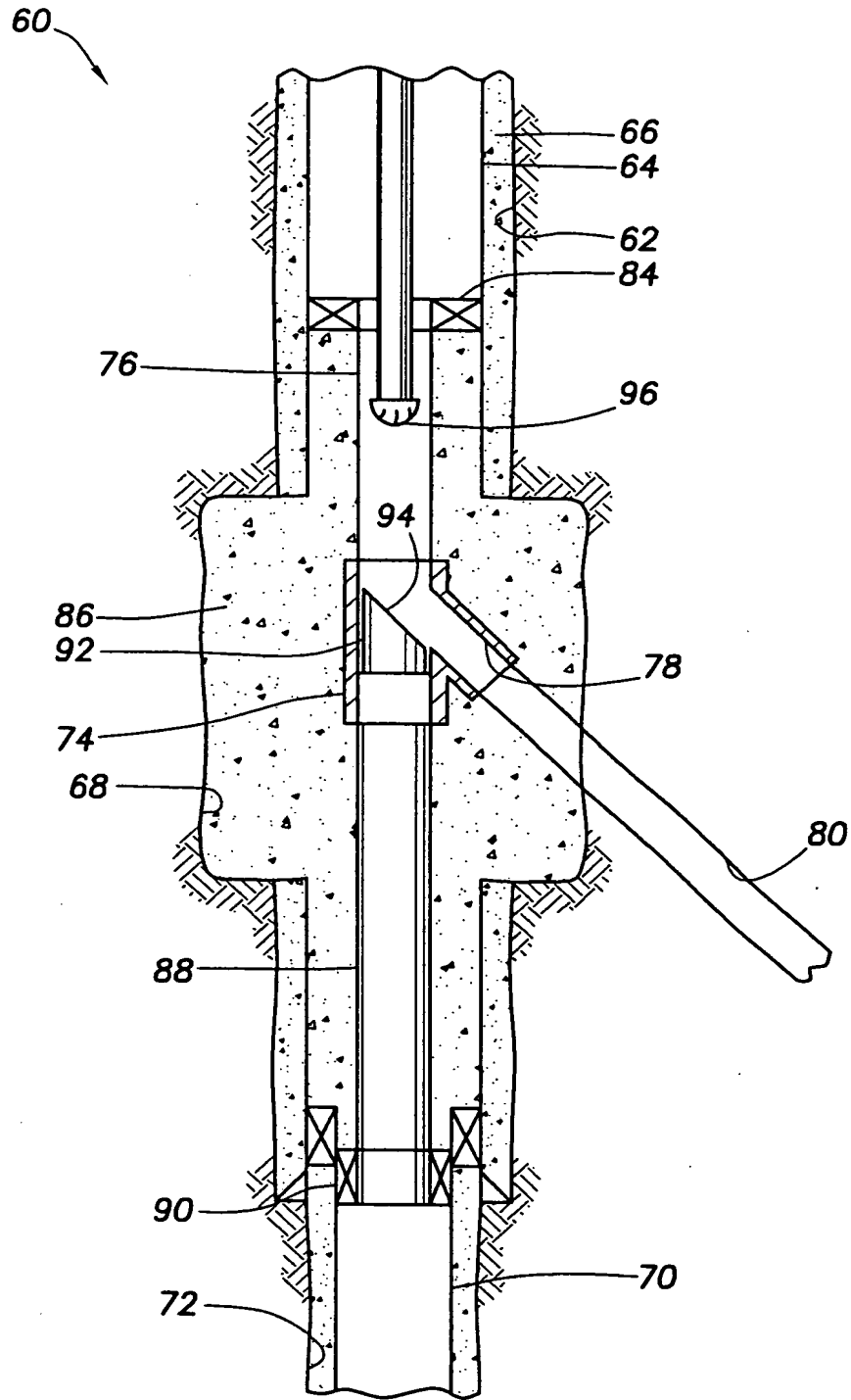


FIG. 2C

EXPANDABLE WELLBORE JUNCTION

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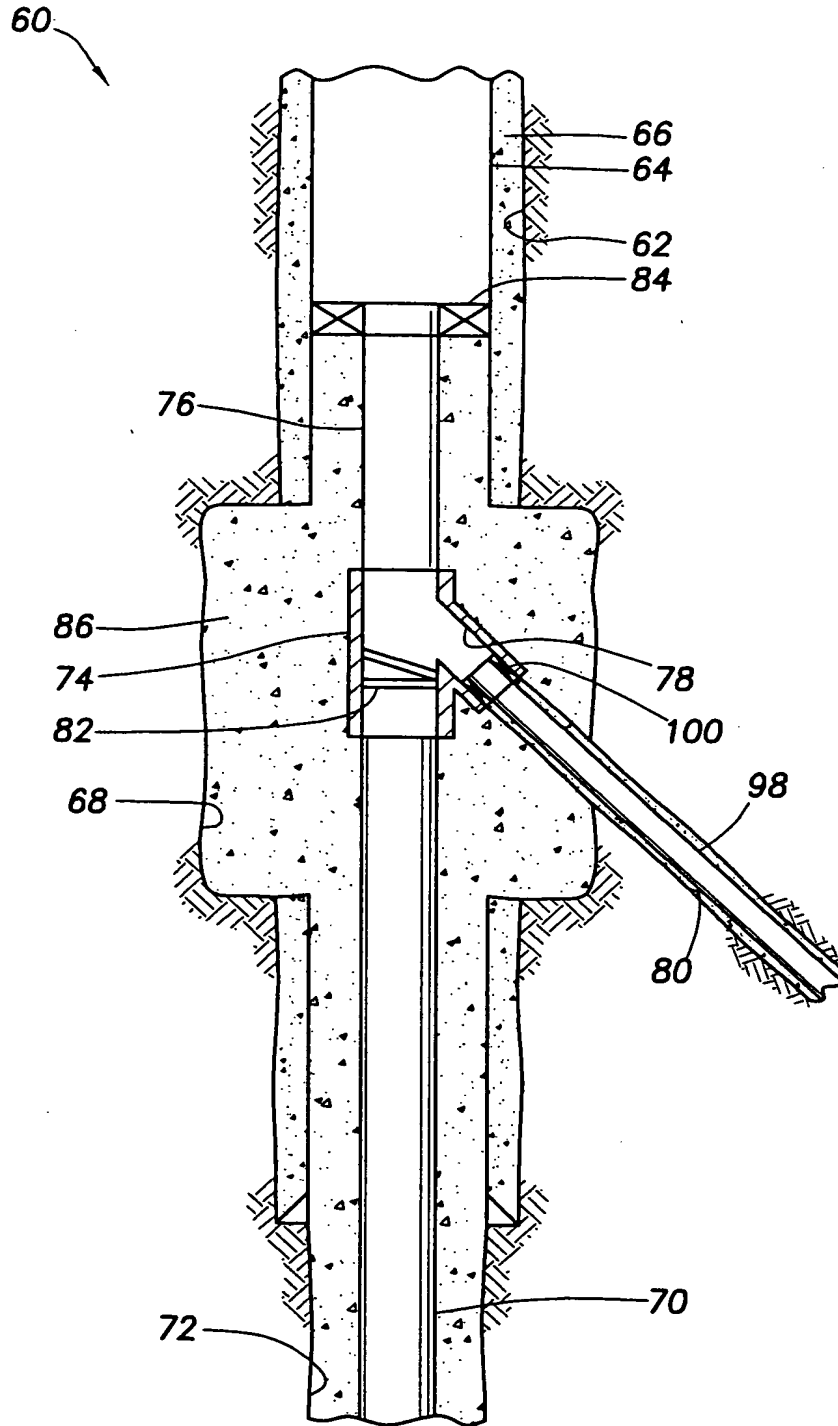


FIG.2D

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**FIG. 3B**





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FIG. 4A and FIG. 4B are cross-sectional views of a medical device assembly, likely a catheter or probe, showing internal components and their arrangement within a housing.

**FIG. 4A:** This view shows a cross-section of the device. The main body is labeled 160. Internal components include a central shaft 114a, a guide wire 116a, and a distal tip 112a. A series of internal channels or lumens are labeled 168, 164, 170, 176, 178, 190, 130a, 180, 182, 162, 188, 118a, and 120a. A distal section 172 is shown at an angle, with a component 132a at the very tip. A side channel 124a is also visible.

**FIG. 4B:** This view shows a similar cross-section but with a different internal configuration. The main body 160 is shown with internal components 114a, 116a, and 112a. The internal channels are labeled 168, 164, 170, 176, 178, 190, 130a, 180, 182, 162, 188, 118a, and 120a. The distal section 172 is shown at an angle, with a component 132a at the tip. A side channel 124a is also visible.

**FIG. 4B**

**FIG. 4A**

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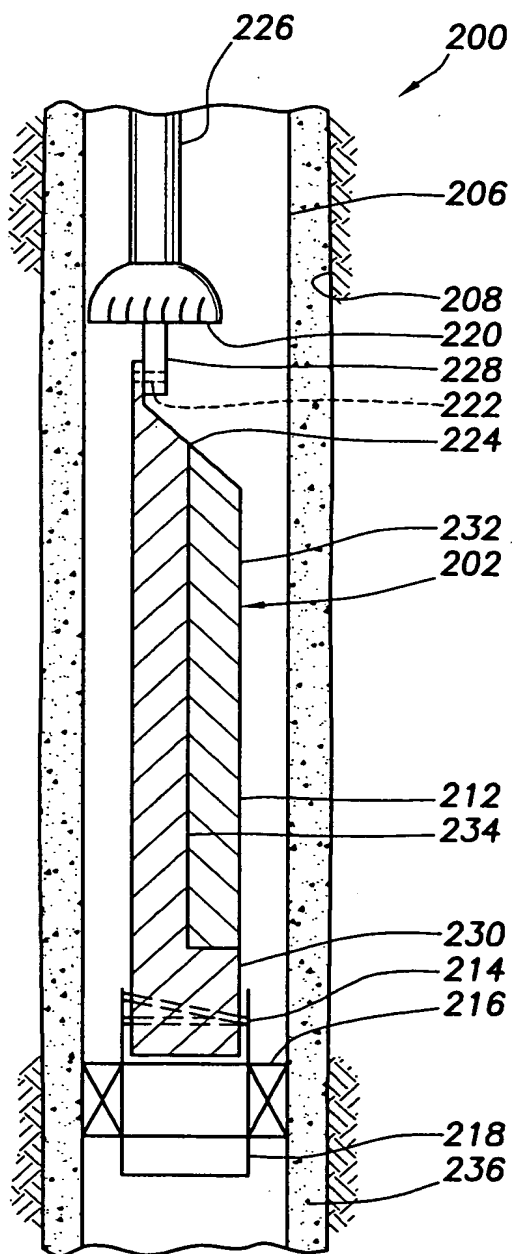


FIG. 5A

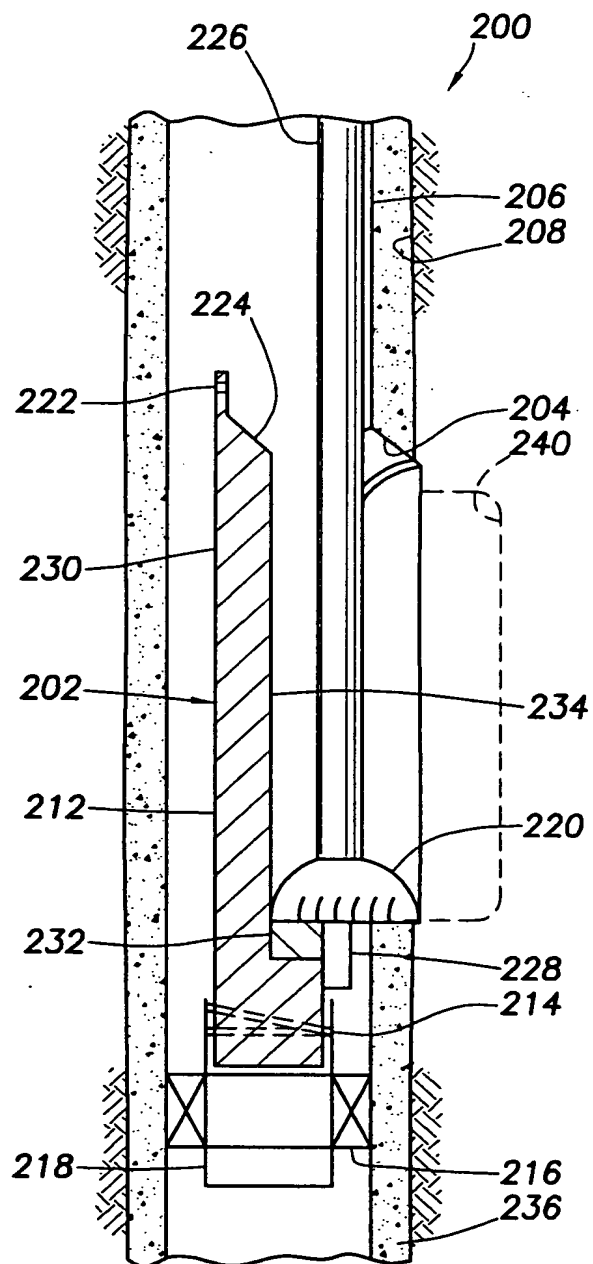


FIG. 5B

# EXPANDABLE WELLBORE JUNCTION

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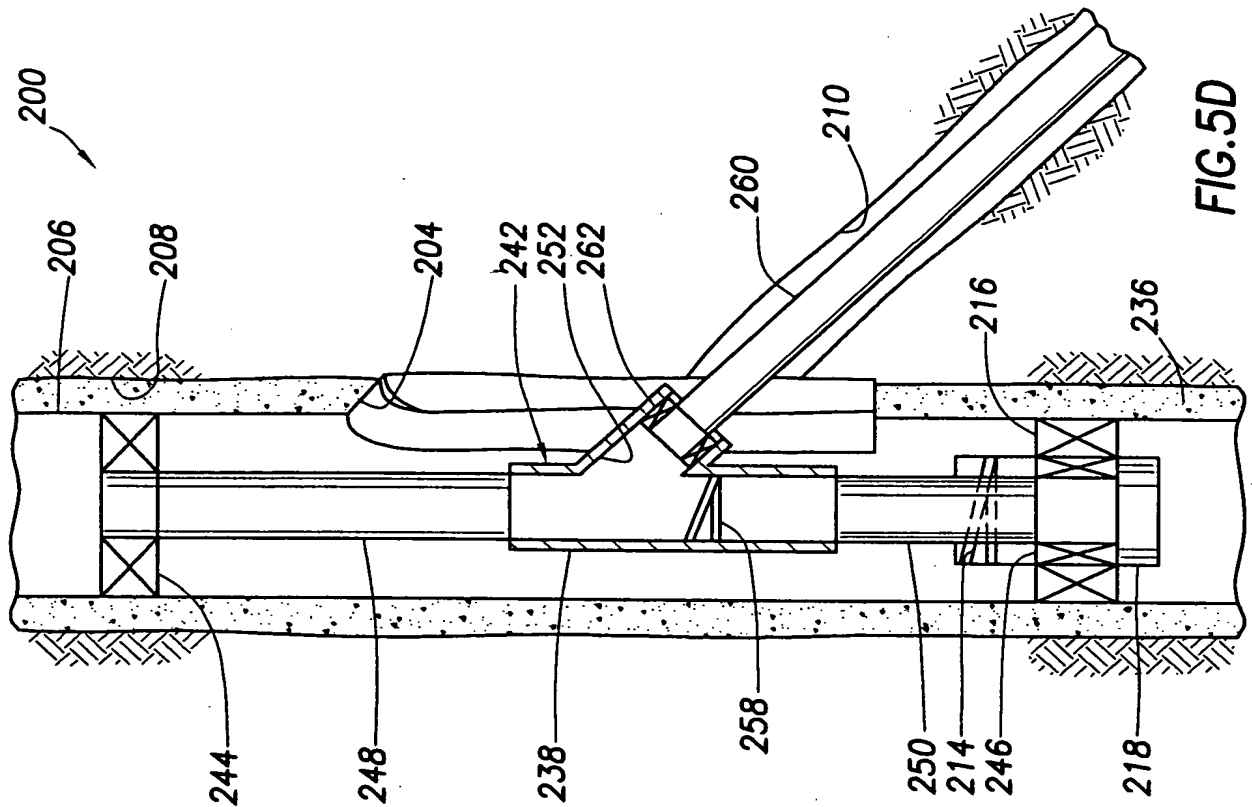


FIG. 5D

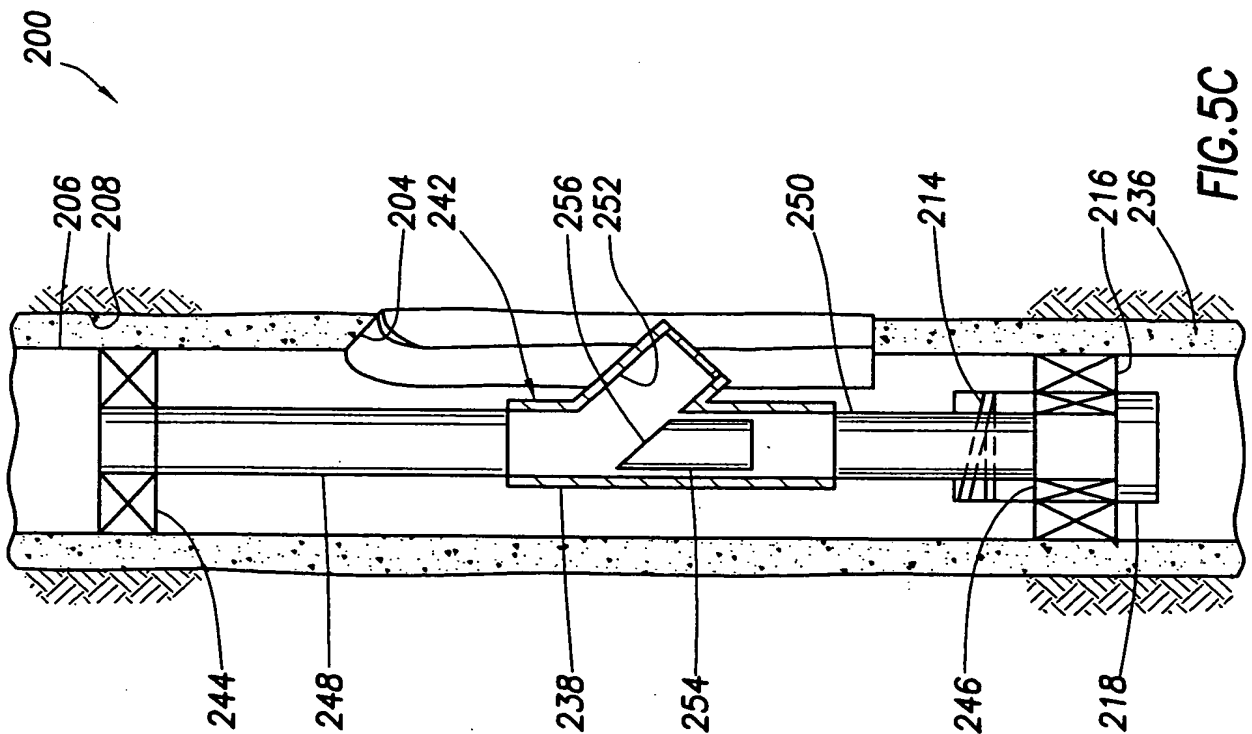


FIG. 5C

# EXPANDABLE WELLBORE JUNCTION

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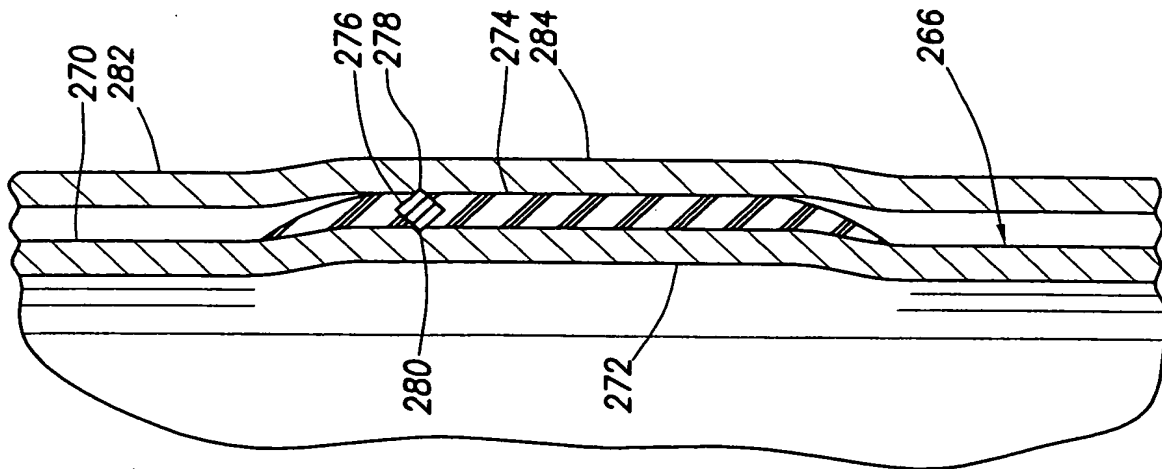


FIG. 6A

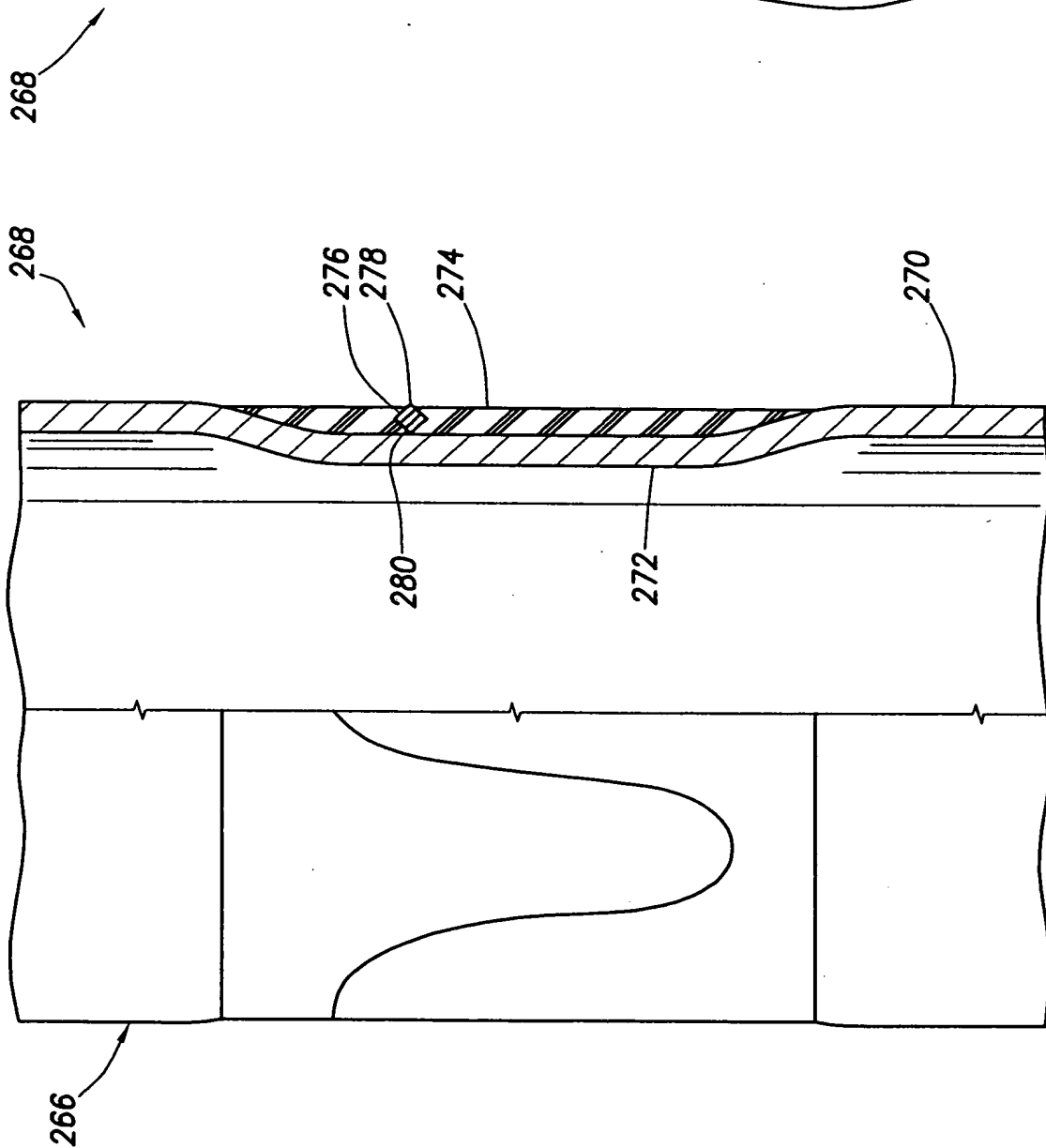


FIG. 6B

EXPANDABLE WELLBORE JUNCTION

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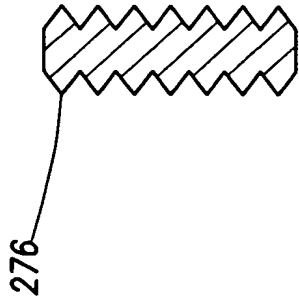


FIG. 6E

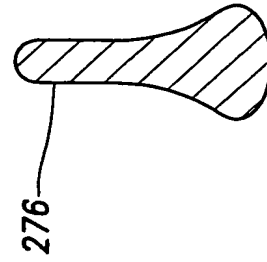


FIG. 6F

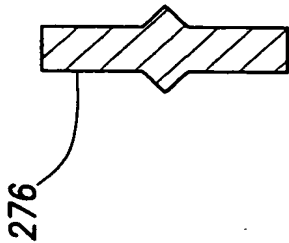


FIG. 6C

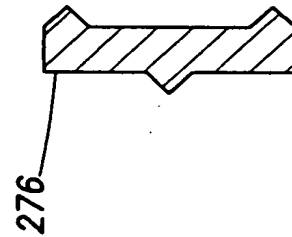


FIG. 6D

EXPANDABLE WELLBORE JUNCTION

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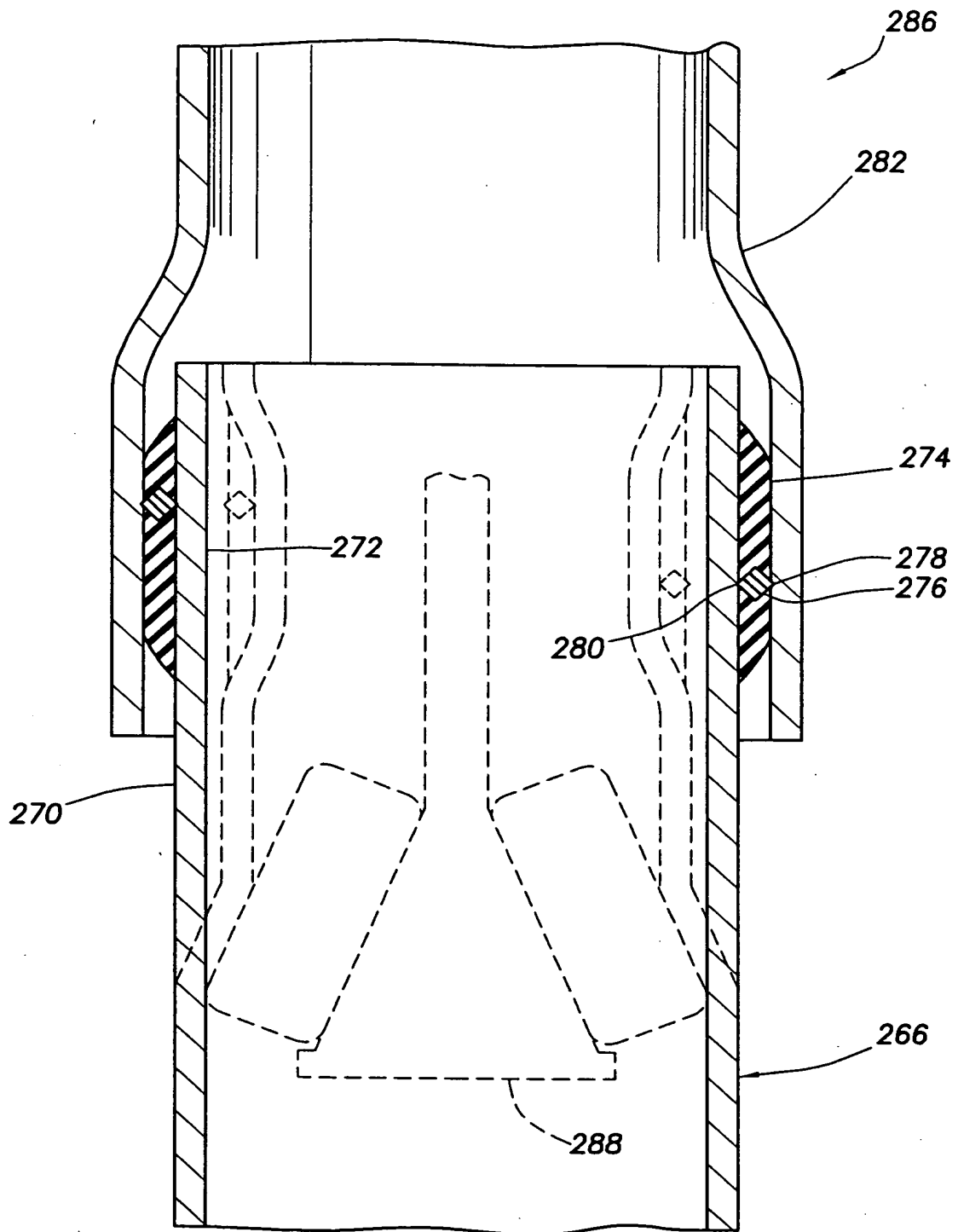


FIG. 7

# EXPANDABLE WELLBORE JUNCTION

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